



# Response to a Bioterrorism Event

Bioterrorism Preparedness & Response Program  
BPRP/NCID/CDC

# LRN Vision

- Establish an integrated multilevel laboratory network to provide rapid & critical laboratory capacity for response to:
  - bioterrorism
  - emerging infectious diseases
  - other public health threats & emergencies
- Includes both biological & chemical labs

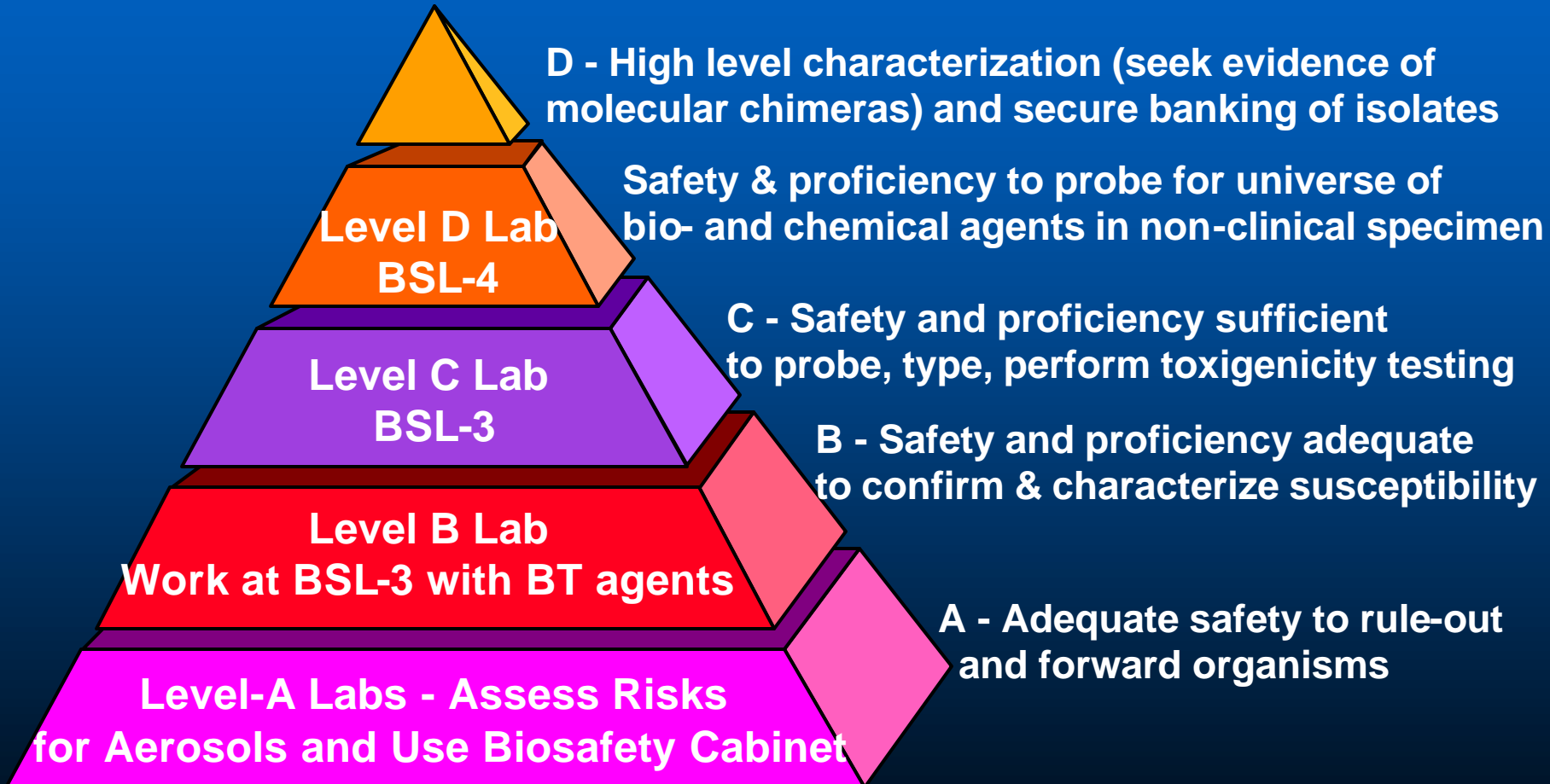
# LRN Partners

- Clinical Labs
- State & Local Public Health Labs
- Military Labs
- Veterinary Labs
- Agricultural, Water & Food-Testing Labs
- APHL & ASM
- FDA, NIH, & International Labs
- FBI, DoD, DOE, USDA, EPA

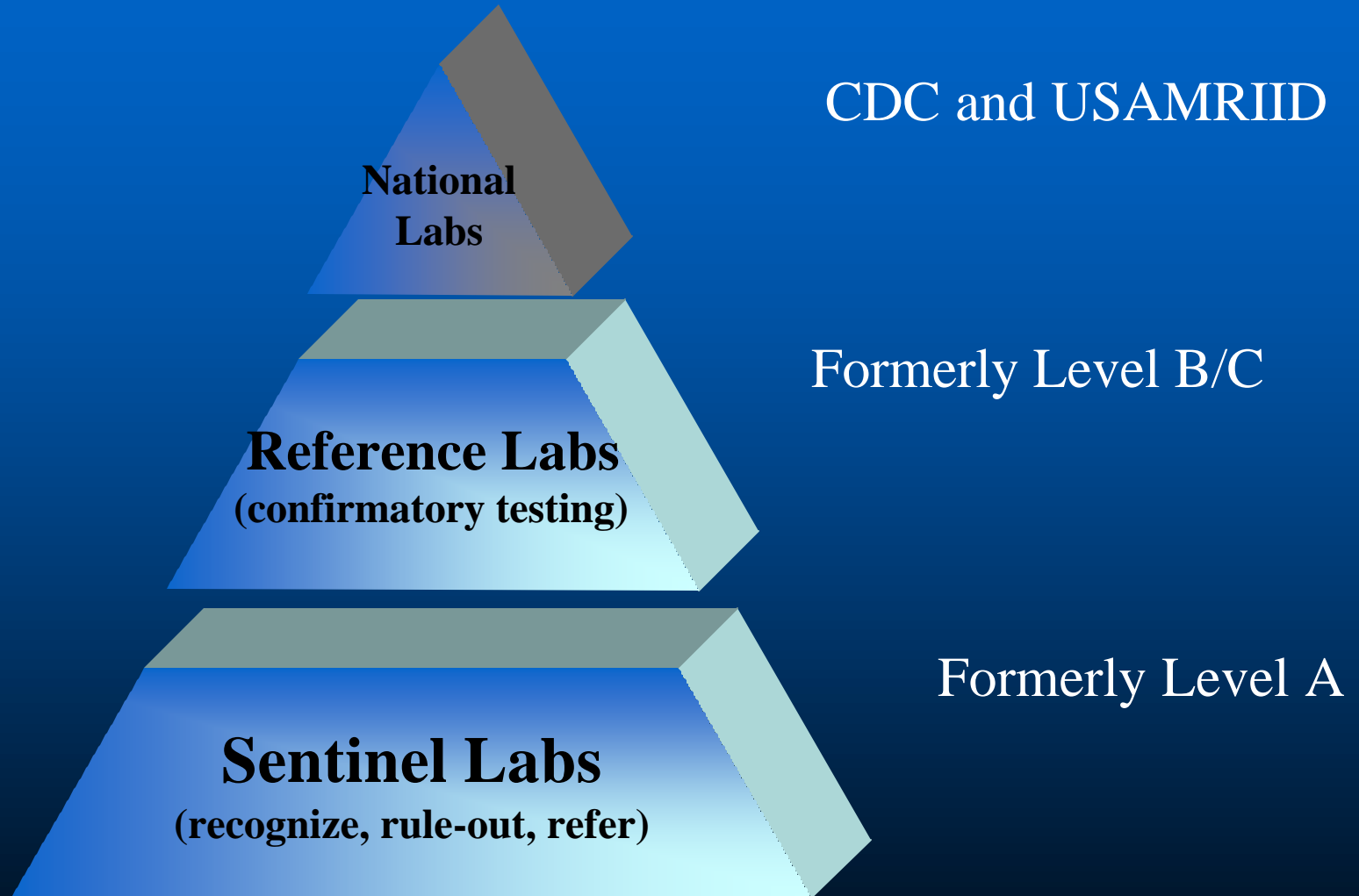
# LRN Collaboration

- APHL/CDC Cooperative Agreement for Emergency Preparedness & Response
- BT Laboratory Response Working Group
  - NCID, NCEH, IRMO, PHPPO, ATSDR, NIOSH
- LRN Partnership Working Group
  - APHL, CDC, FBI, DoD, ASM, State PH Health Labs
- NEDSS Operational Working Group
- CIC IT Security Working Group

# Initial Classification of **LRN** Laboratories



# Current LRN Membership



# Scope of LRN National Labs



Current LRN Level D labs =  
**2** (CDC & USAMRIID)

LRN Level  
B, C & D labs

Projected LRN Level C & Level B labs =  
**250** nationally

Possible LRN Level A “state-registered” labs  
> **2,500** nationally (4414 are Level A capable)

LRN Level  
A labs

NOTE: LRN Level B/C/D status involves technical proficiency & select membership.

# Provided to Each LRN Lab

- Agent-Specific Protocols
- Standardized Reagents & Controls
- Lab Referral Directory
- Secure Communications & ELR
- Training & Technology Transfer
- Proficiency Testing
- Appropriate Vaccinations for Lab Workers



# Local Response Works

## LRN Response to Oct-Dec 2001 Anthrax Events:

DoD inclusive (25%)

**30,200** environmental workups performed

+ CDC inclusive (6%)

**7,500** environmental workups

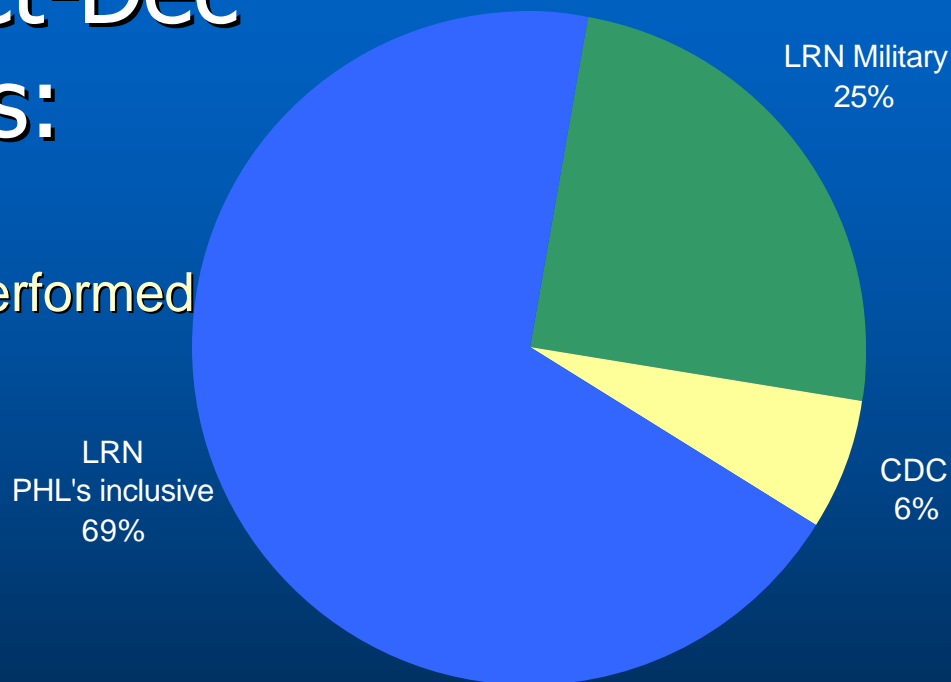
+ PHL inclusive (69%)

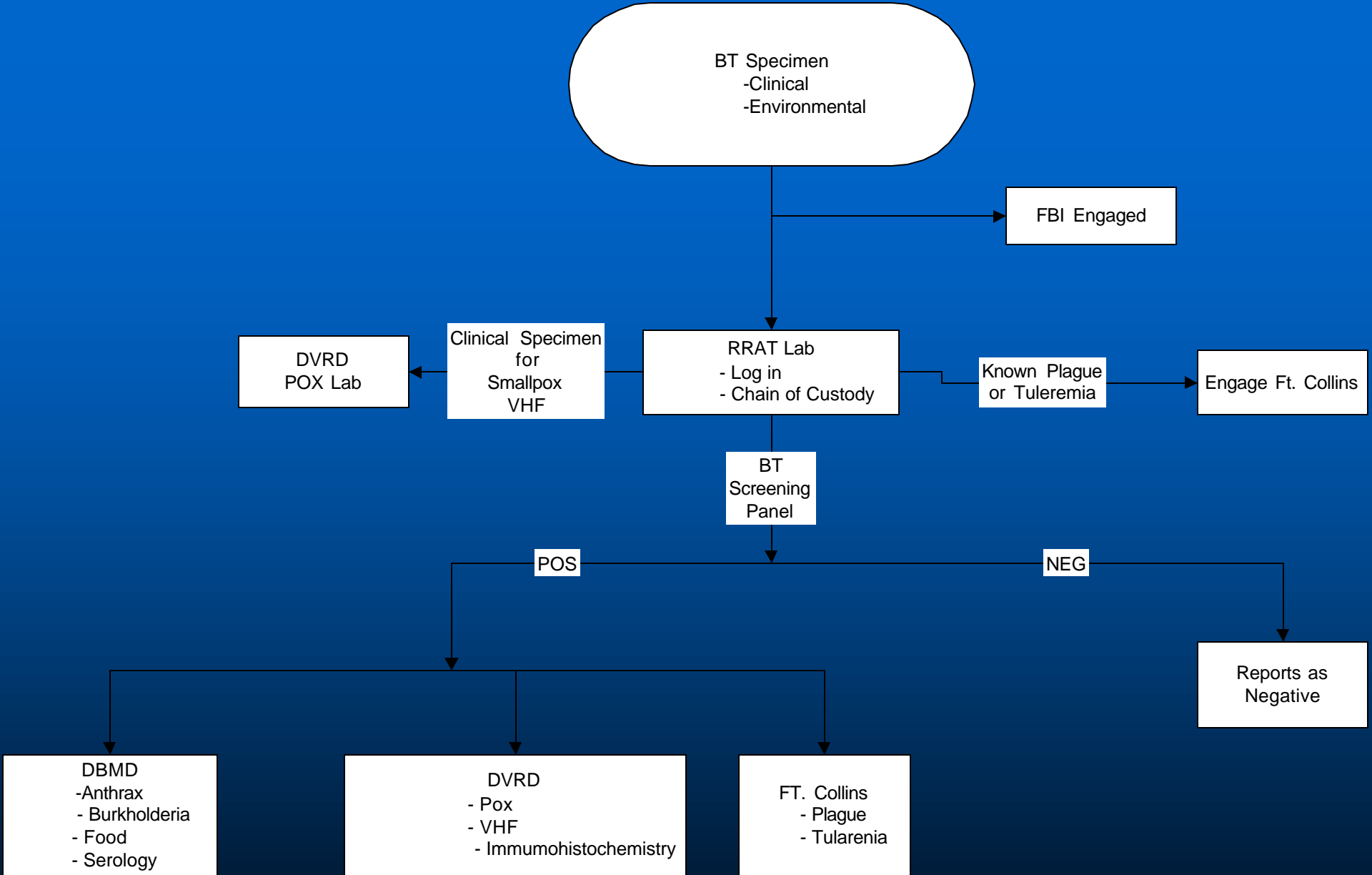
**84,010** environmental workups

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Total:

**>121,710** environmental workups

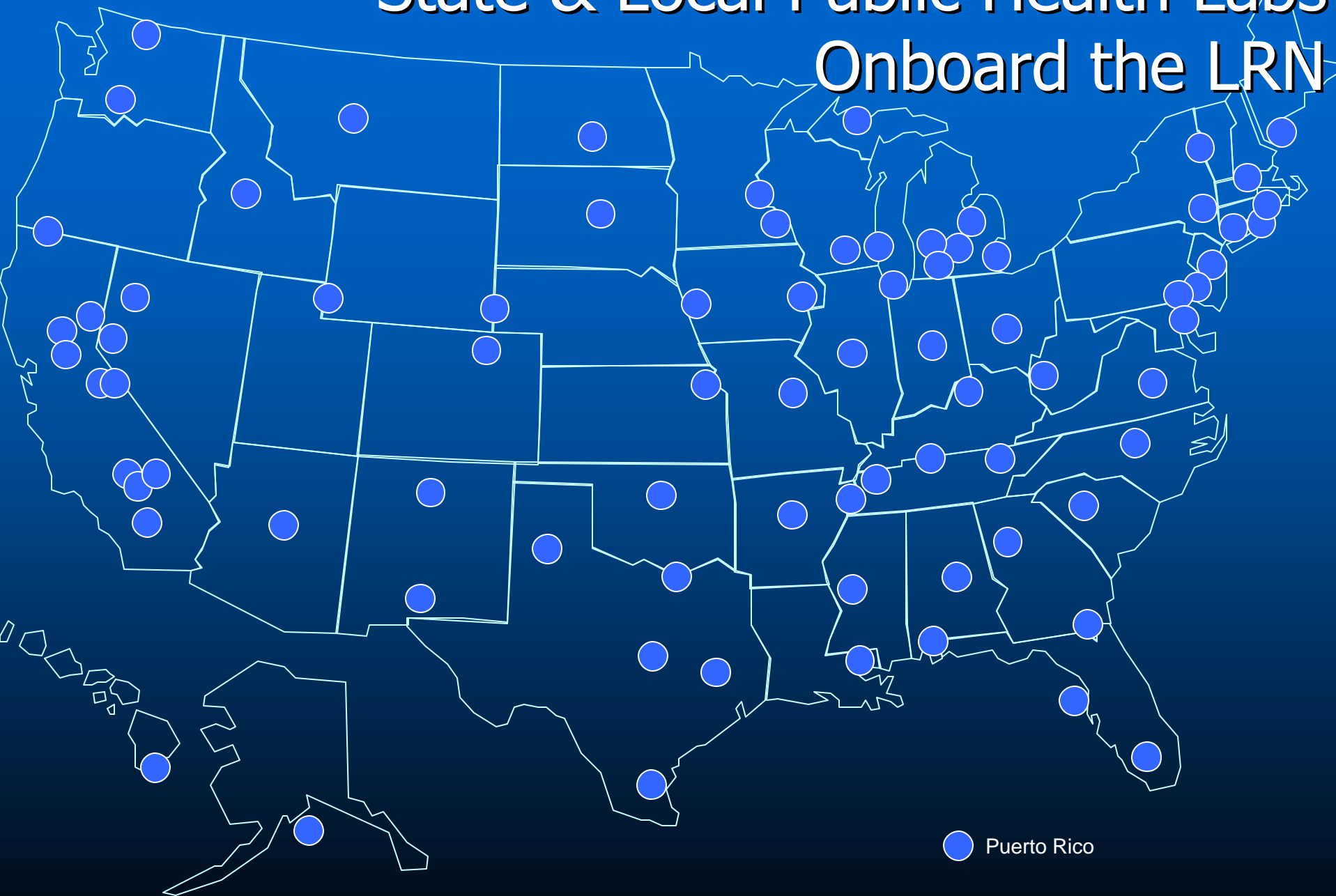




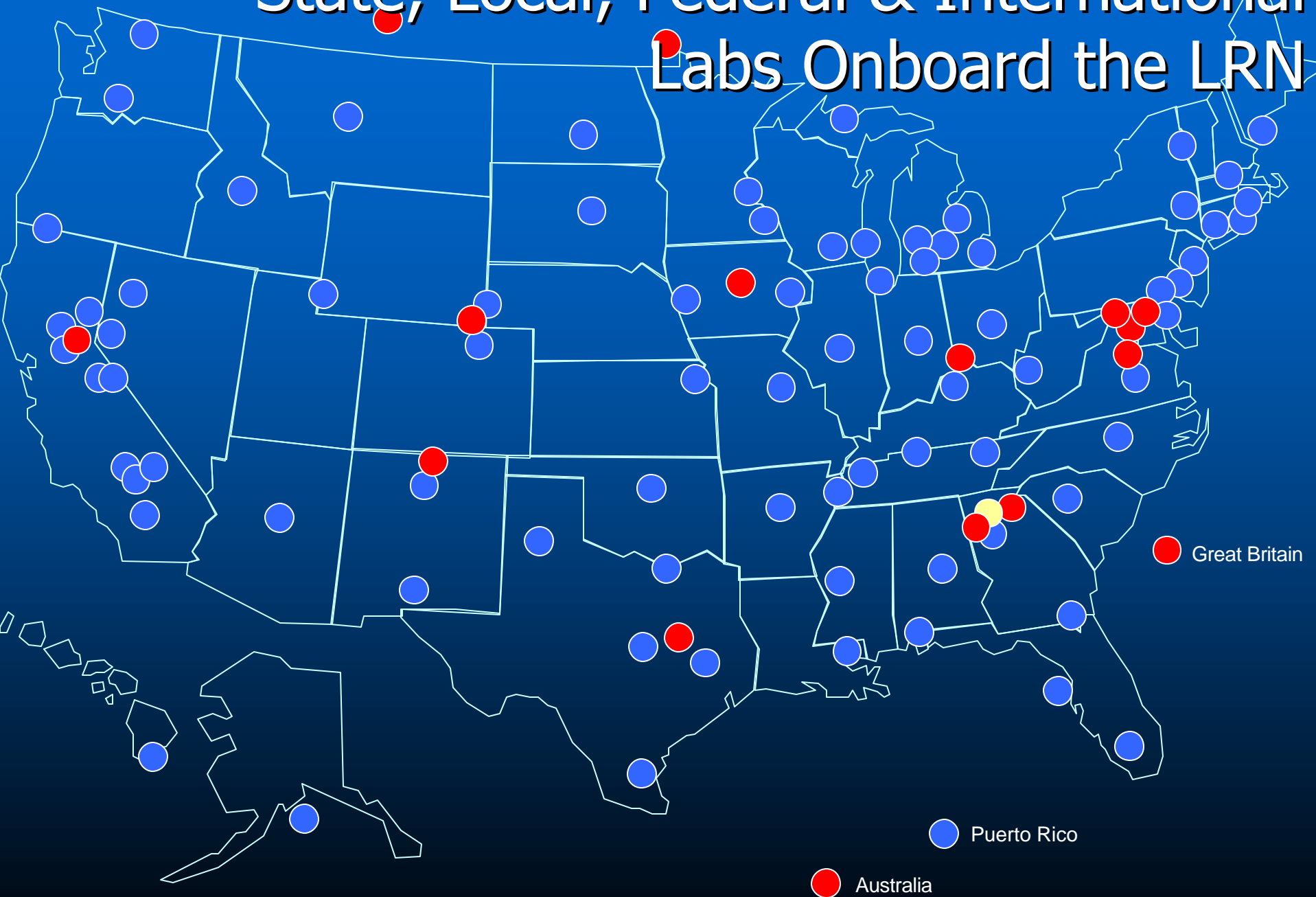
# LRN Future Goals

- Additional agents & testing methods
- FDA compliance & GMP
- Electronic specimen tracking & ELR
- Integration w/ Epi & EOC Response plans
- Expanded proficiency testing & training
- Registry of Level A labs
- Completing an LRN Charter based on a mature network

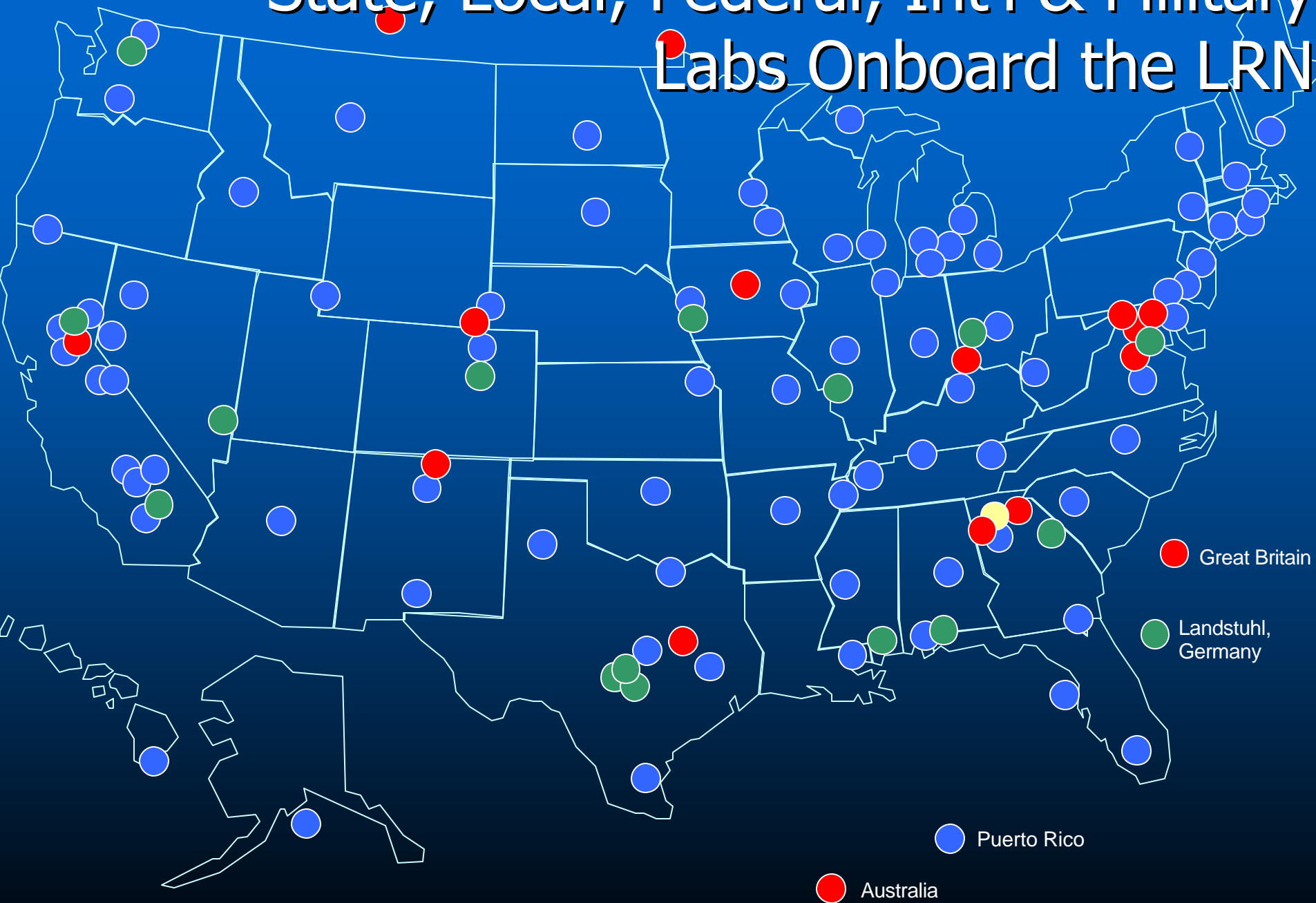
# State & Local Public Health Labs Onboard the LRN



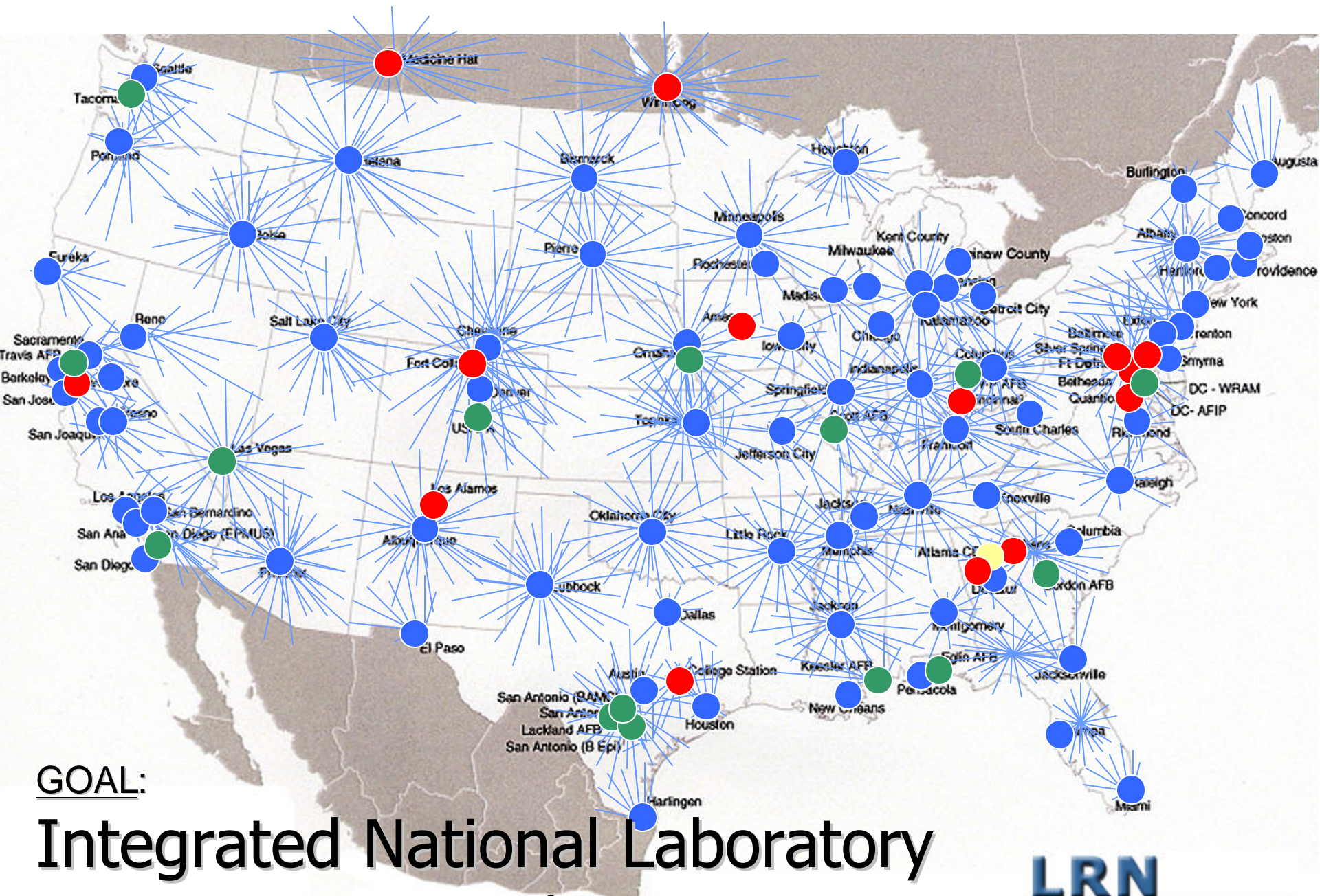
# State, Local, Federal & International Labs Onboard the LRN



# State, Local, Federal, Int'l & Military Labs Onboard the LRN







GOAL:

# Integrated National Laboratory Response Network



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